



MIAMI-DADE COUNTY, FLORIDA  
METRO-DADE FLAGLER BUILDING

**BUILDING CODE COMPLIANCE OFFICE**  
METRO-DADE FLAGLER BUILDING  
140 WEST FLAGLER STREET, SUITE 1603  
MIAMI, FLORIDA 33130-1563  
(305) 375-2901 FAX (305) 375-2908

**CONTRACTOR LICENSING SECTION**  
(305) 375-2527 FAX (305) 375-2558

**CONTRACTOR ENFORCEMENT DIVISION**  
(305) 375-2966 FAX (305) 375-2908

**PRODUCT CONTROL DIVISION**  
(305) 375-2902 FAX (305) 372-6339

## **PRODUCT CONTROL NOTICE OF ACCEPTANCE**

**Naturalite Skylight Systems**  
**803 Airport Road**  
**Terrell, TX 75088**

Your application for Notice of Acceptance (NOA) of:

**Naturalite BMS-3000HR (LM) Skylight System**

under Chapter 8 of the Code of Miami-Dade County governing the use of Alternate Materials and Types of Construction, and completely described herein, has been recommended for acceptance by the Miami-Dade County Building Code Compliance Office (BCCO) under the conditions specified herein.

This NOA shall not be valid after the expiration date stated below. BCCO reserves the right to secure this product or material at any time from a jobsite or manufacturer's plant for quality control testing. If this product or material fails to perform in the approved manner, BCCO may revoke, modify, or suspend the use of such product or material immediately. BCCO reserves the right to revoke this approval, if it is determined by BCCO that this product or material fails to meet the requirements of the South Florida Building Code.

The expense of such testing will be incurred by the manufacturer.

**ACCEPTANCE NO.: 00-0912.04**

**EXPIRES: 03/22/2006**

Raul Rodriguez  
Chief Product Control Division

**THIS IS THE COVERSHEET, SEE ADDITIONAL PAGES FOR SPECIFIC AND GENERAL**  
**CONDITIONS**  
**BUILDING CODE & PRODUCT REVIEW COMMITTEE**

This application for Product Approval has been reviewed by the BCCO and approved by the Building Code and Product Review Committee to be used in Miami-Dade County, Florida under the conditions set forth above.

Francisco J. Quintana, R.A.  
Director  
Miami-Dade County  
Building Code Compliance Office

**APPROVED: 03/22/2001**

**NOTICE OF ACCEPTANCE: SPECIFIC CONDITIONS**

**1. SCOPE**

This approves a 9/16" Laminated Glass and Aluminum Extrusions Skylight System, as described in Section 2 of this Notice of Acceptance, designed to comply with the South Florida Building Code, 1994 Edition for Miami-Dade County, for the locations where the pressure requirements, as determined by SFBC Chapter 23, do not exceed the Design Pressure Rating values indicated in the approved drawings.

**2. PRODUCT DESCRIPTION**

This 9/16" Laminated Glass and Aluminum Extrusions Skylight System and its components shall be constructed in strict compliance with the following documents: Drawing No. E, titled "BMS-3000 HR Large Missile Testing", prepared by David S. Barron, P.E., last revised on February 1, 1999, sheets 1 through 12 of 12, bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division. These documents shall hereinafter be referred to as the approved drawings.

**3. LIMITATIONS**

All permanent set components must be protected against corrosion, contamination and damage at all times. This 9/16" Laminated Glass and Aluminum Extrusions Skylight System is tested and approved for large missile impact. It **will not** require a hurricane protection system.

**4. INSTALLATION**

This 9/16" Laminated Glass and Aluminum Extrusions Skylight System must be installed in strict compliance with the approved drawings.

**5. LABELING**

Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved".

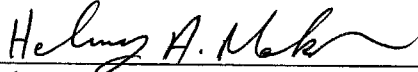
**BUILDING PERMIT REQUIREMENTS**

**6.1** Application for building permit shall be accompanied by copies of the following:

**6.1.1** This Notice of Acceptance.

**6.1.2** Duplicate copies of the approved drawings, as indicated in Section 2 of this Notice of Acceptance, clearly marked to show the components selected for the proposed installation.

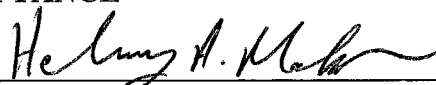
**6.1.3** Any other documents required by the Building Official or the South Florida Building Code (SFBC) in order to properly evaluate the installation of this system.

  
Helmy A. Makar, P.E. - Product Control Examiner  
Product Control Division

**NOTICE OF ACCEPTANCE : STANDARD CONDITIONS**

1. Renewal of this Acceptance (approval) shall be considered after a renewal application has been filed and the original submitted documentation, including test supporting data, engineering documents, are no older than eight (8) years.
2. Any and all approved products shall be permanently labeled with the manufacturer's name, city, state and the following statement: "Miami-Dade County Product Control Approved", or as specifically stated in the specific conditions of this Acceptance.
3. Renewals of Acceptance will not be considered if:
  - a) There has been a change in the South Florida Building Code affecting the evaluation of this product and the product is not in compliance with the code changes;
  - b) The product is no longer the same product (identical) as the one originally approved;
  - c) If the Acceptance holder has not complied with all the requirements of this acceptance, including the correct installation of the product;
  - d) The engineer, who originally prepared, signed and sealed the required documentation initially submitted, is no longer practicing the engineering profession.
4. Any revision or change in the materials, use, and/or manufacture of the product or process shall automatically be cause for termination of this Acceptance, unless prior written approval has been requested (through the filing of a revision application with appropriate fee) and granted by this office.
5. Any of the following shall also be grounds for removal of this Acceptance:
  - a) Unsatisfactory performance of this product or process;
  - b) Misuse of this Acceptance as an endorsement of any product, for sales, advertising or any other purpose.
6. The Notice of Acceptance number preceded by the words Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the Notice of Acceptance is displayed, then it shall be done in its entirety.
7. A copy of this Acceptance as well as approved drawings and other documents, where it applies, shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at all time. The engineer needs not reseal the copies.
8. Failure to comply with any section of this Acceptance shall be cause for termination and removal of Acceptance.
9. This Acceptance consists of pages 1, 2, and this last page 3.

**END OF THIS ACCEPTANCE**

  
Helmy A. Makar, P.E. - Product Control Examiner  
Product Control Division

GENERAL NOTES:

1. MAXIMUM DESIGN PRESSURES ARE + 60PSF & -60PSF FOR PA 201, 202 & 203.
2. BITUMINOUS PAINT/ZINC CHROMATE OR AN EQUAL SEPERATION MATERIAL IS REQUIRED WHEN ALUMINUM COMES IN CONTACT WITH STEEL OR WOOD OR OTHER DISSIMILAR MATERIALS.
3. THIS SKYLIGHT SYSTEM IS TESTED FOR LARGE MISSILE IMPACT.
4. THIS APPROVAL IS LIMITED TO THE MAXIMUM AREA OF THE 9/16" LAMINATED GLASS, THE FULLY ASSEMBLED GLAZING DETAILS SYSTEM TO THE SUPPORTING RAFTERS AND PURLINS AND THE MAXIMUM QUALIFIED DESIGN PRESSURE SHOWN ON THESE DRAWINGS.
5. THIS GLASS TESTED WAS 9/16" LAMINATED GLASS (1/4" HEAT STRENGTHENED GLASS, .090 DUPONT SGP INTERLAYER AND 1/4" HEAT STRENGTHENED GLASS). THE INTERLAYER IS DUPONT SGP (DADE COUNTY PRODUCT APPROVAL NUMBER 98-0608.03). THE GLASS WAS BY VIRACON, INC.
6. THE STRUCTURAL ADEQUACY OF THE SUPPORTING STRUCTURAL STEEL MEMBERS (CURBS, RAFTERS, PURLINS, AND ALL OTHER FRAMING MEMBERS) IS NOT PART OF THIS APPROVAL AND IT SHALL BE REVIEWED BY THE STRUCTURAL PLANS EXAMINER OF THE CORRESPONDING BUILDING DEPARTMENT.
7. ALL ALUMINUM EXTRUSIONS WERE OF THE ALLOY AND TEMPER AS NOTED IN THE SUPPORTING CALCULATIONS.

ENCLOSURE(S) TO SUPPORT THE FOLLOWING LOADS:

1) +60 PSF WIND LOAD +  $\frac{8}{1}$  PSF DEAD LOAD  
2) -60 PSF WIND LOAD +  $\frac{8}{1}$  PSF DEAD LOAD

James S. Barron  
2-14-0

DAVID S. BARRON  
337 C-1 HARVEY AVE.  
GREENSBURG, PA. 15601  
1-724-838-1524  
STATE OF FLORIDA REGISTERED ENGINEER  
NO. 0036374

BMS - 3000 HR  
LARGE MISSILE TESTING

RECEIVED  
2001 MAR -6 AM 11:02  
BUILDING CODE COMPLIANCE  
ADMINISTRATIVE DIVISION

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE: 03/22/2001  
BY: Heather A. Decker  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 00-0912.04

ERECTOR/INSTALLER NOTE:

SKYLIGHT IS TO BE INSTALLED LEVEL & PROPERLY  
ALIGNED. OVERALL WORKPOINT DIMENSIONS ARE TO BE  
HELD AS SHOWN, TO ENSURE PROPER FIT AND FUNCTION  
OF THE UNIT.

## FASTENER ABBREVIATIONS

SIZE	LENGTH	HEAD	TYPE	MATERIAL
#8		FLAT	A POINT SMS	ALUMINUM
#10		PAN	B POINT TAPPING	CAD PLATED STEEL
#14		HEX	AB POINT	STAINLESS STEEL
#17		TRUSS	CAP SCREW	STAINLESS STEEL
3/8"		ROUND	MACHINE SCREW	GRADE_5
1/2"		SOCKET	LAG BOLT	GRADE_2
11/32"		TORX	IEKS SCREW	ZINC PLATED STEEL
			FLAT_WASHER	
			LOCK_WASHER	
			HEX_NUT	
			RIYNUT	
			BUTTON HEAD	

EXAMPLE: #10 x 3/4" PAS = PAN HEAD, A POINT, SHEET METAL SCREW, STAINLESS STEEL.

NOTE: ALL HEX HEAD GLAZING CAP FASTENERS TO  
HAVE STAINLESS STEEL/EPDM FLAT WASHERS.  
ALL EXPOSED FASTENERS TO BE COLORED  
TO MATCH.

## CONCRETE/MASONRY ANCHORS

SA SLEEVE ANCHOR ( w/ FWS, LWS,  
& HNC )

HVA HILT ADHESIVE ANCHOR  
( w/ FWS, LWS, & HND )

SB STUD BOLT (w/ FWS, LWS, & HNC)

HIT HILT RENOVATION ANCHOR  
( w/ FWS, LWS, & HNC )

HKC HILT KWIK CON II

HKB HILT KWIK BOLT II

## SEALANTS AND TAPES

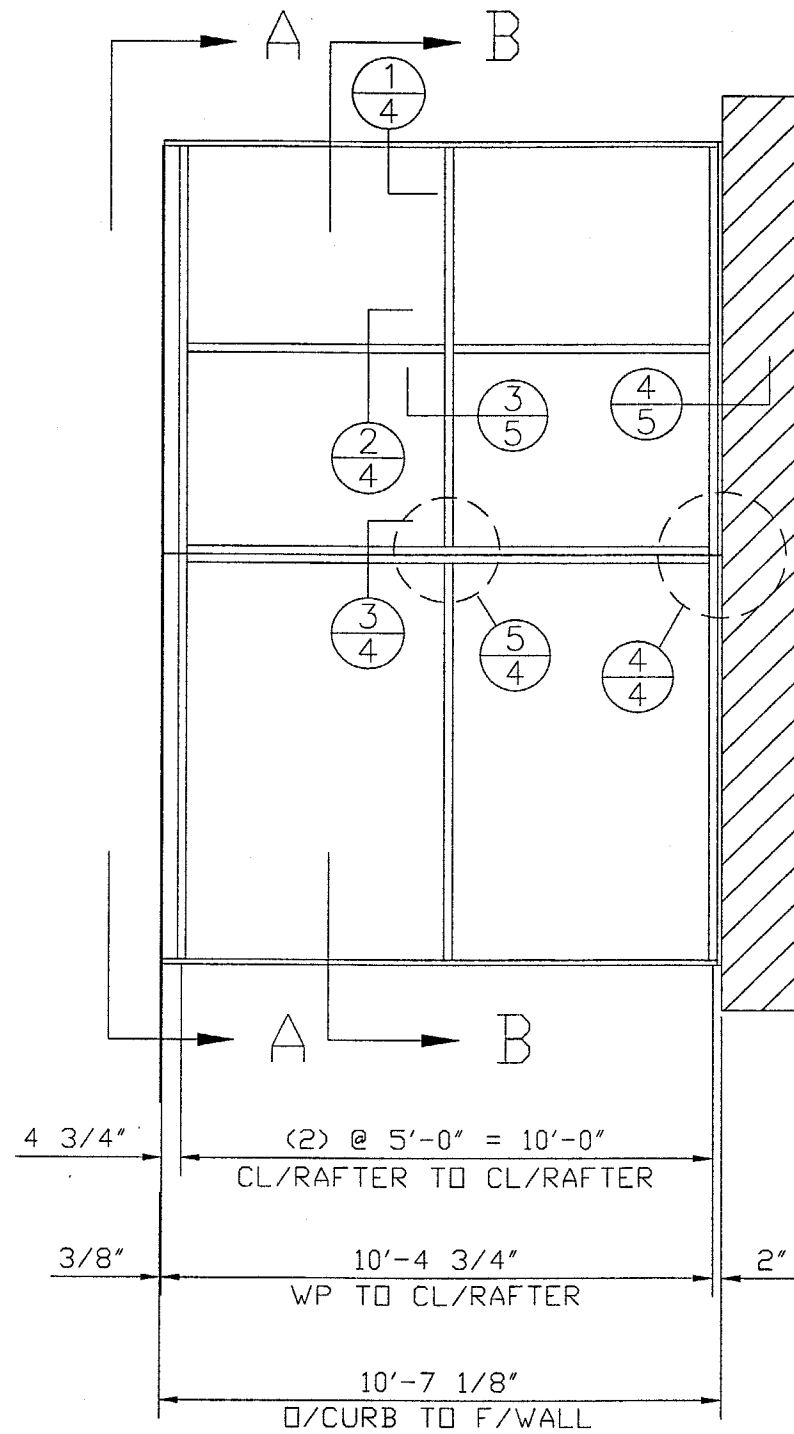
- (A)  
(B) DOW CORNING 795  
COLOR: GRAY  
(C) SEALANT (B) W/ BACKER ROD  
(D)  
(E) DOW CORNING 795  
(BLACK)  
(F)  
(P) DOW #1200 PRIMER OR EQUAL

## GLAZING NOTES:

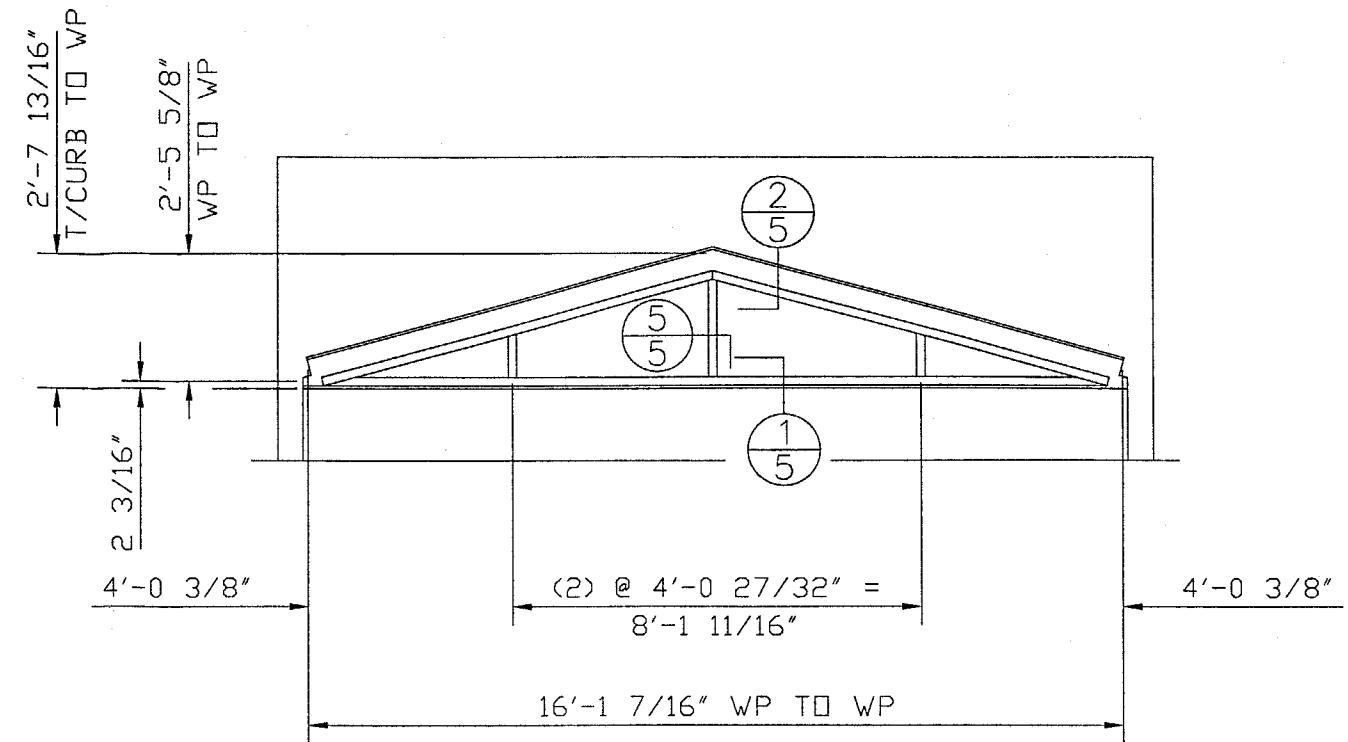
- (21) — SILICONE COMPATIBLE SETTING BLOCK (80 DUR + 5),  
LOCATE OUTSIDE EDGE 9" MAXIMUM LEFT & RIGHT OF RAFTER CENTERLINE.
- (23) — EPDM EDGE BLOCK (60 DUR + 5),  
LOCATE 1'-0" MAXIMUM LEFT & RIGHT OF PURLIN CENTERLINE & 1'-0" ABOVE SILL.
- (24) — DENSE EPDM GLAZING GASKET (60 DUR + 5)
- (27) OPEN CELL FOAM BACKER ROD

REVISIONS				DETAILER	BV	DRAWINGS ISSUED DATE USE		REVISIONS				DETAILER	BV	DRAWINGS ISSUED DATE USE		ALL DETAILS ARE 1/2 FULL SIZE UNLESS OTHERWISE NOTED  REFER TO SHEET ONE FOR DETAIL AND GENERAL NOTES	<div>NATURALITE</div> <div>SKYLIGHT SYSTEMS</div> <div>750 AIRPORT ROAD</div> <div>P.O. BOX 629</div> <div>TERRELL, TEXAS 75160</div> <div>1-972-551-6400</div> <div>A DIVISION OF BUTLER MANUFACTURING COMPANY</div>	PLOT FACTOR		JOB NAME BMS - 3000 HR: LARGE MISSILE TESTING		JOB NUMBER			
						5/29/97 1ST. SUBMISSION								2/1/99 TESTING				PLOT NO.		LOCATION DADE COUNTY, FL.		EF-8373			
						8/7/97 ERECTION												MANUAL COMP.		CUSTOMER					
						8/25/97 RECORD												ERECTION		DATE				CONTRACTOR	
						5/18/97 RECORD												CHECKED		DATE				ARCH/ENGR	
																				DRAWING NO.					
																				TITLE SHEET		E1 OF 12			

## PA 202-94 MOCK-UP TEST

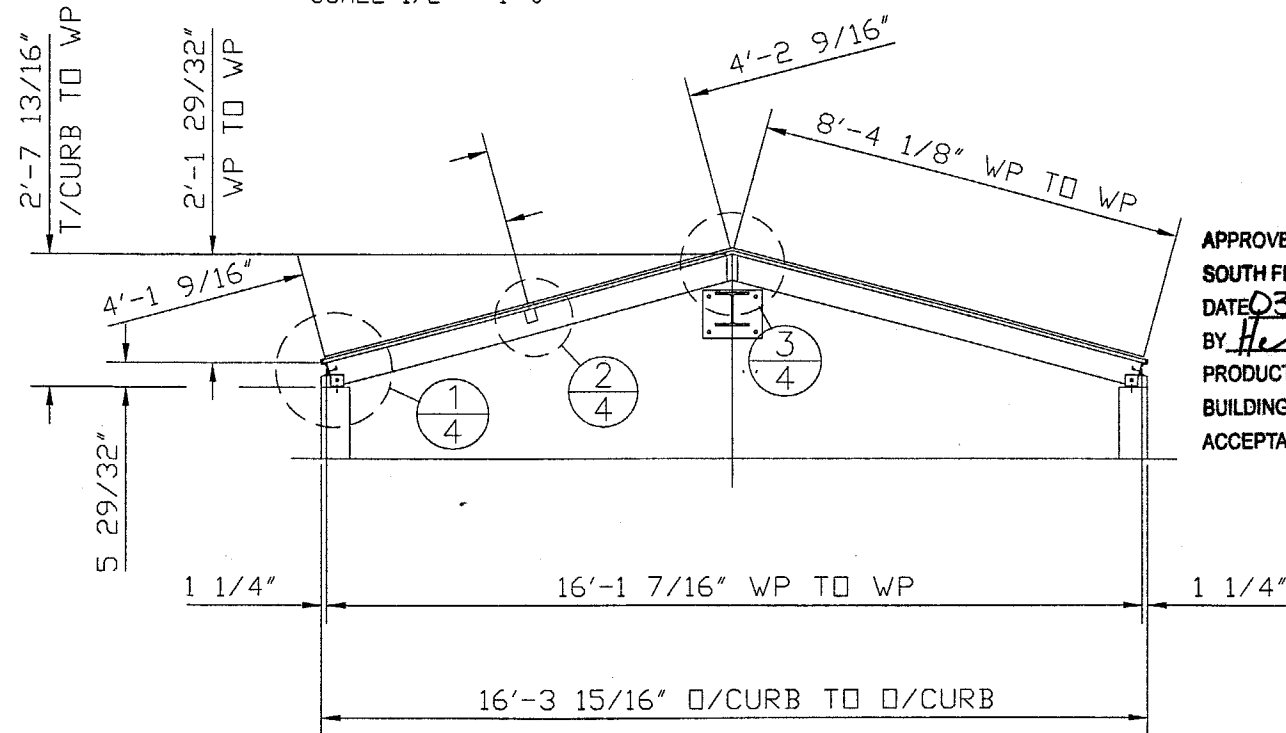


PLAN VIEW OF SKYLIGHT UNIT #1  
SCALE 1/2" = 1'-0" ONE (1) REQD.



ELEVATION 'A-A' OF SKYLIGHT

SCALE 1/2" = 1'-0"



SECTION 'B-B' OF SKYLIGHT

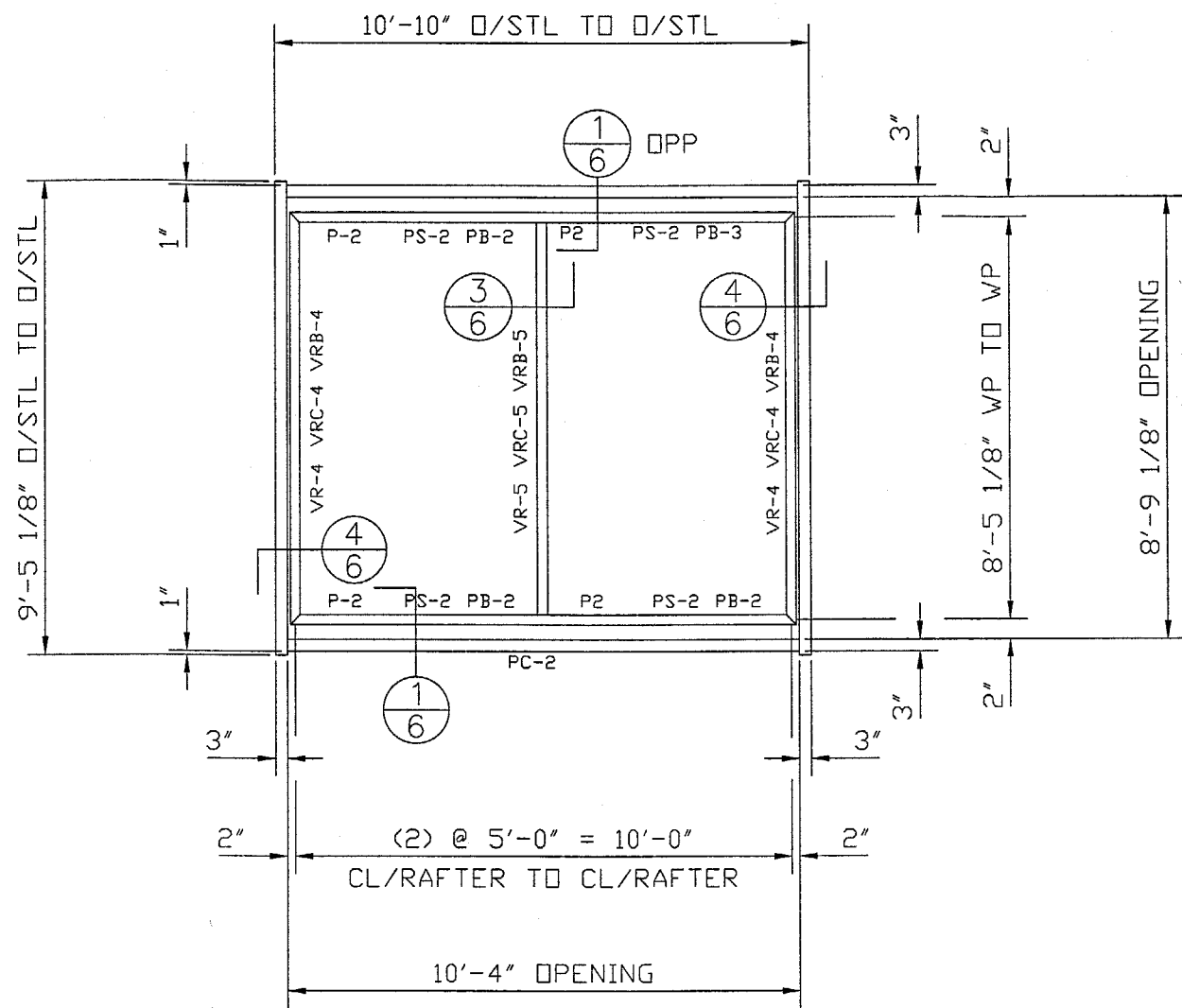
SCALE 1/2" = 1'-0"

**APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE**  
**DATE** 03/22/2001  
**BY** H. L. M. M.  
**PRODUCT CONTROL DIVISION**  
**BUILDING CODE COMPLIANCE OFFICE**  
**ACCEPTANCE NO.** 00-0912.04

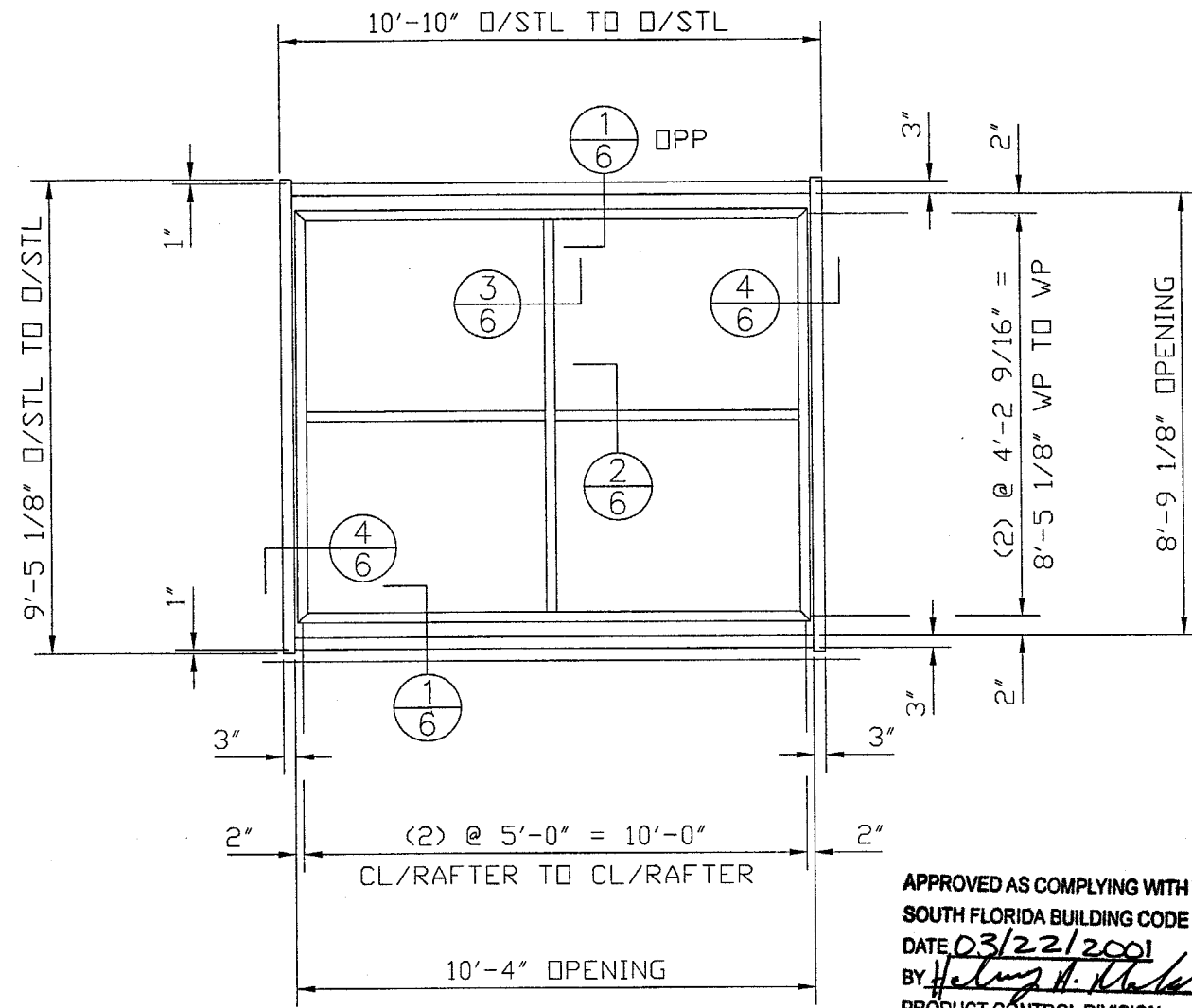
David S. Baum  
2-14-01

REVISIONS		DETAILER	BV	DRAWINGS ISSUED DATE      USE		REVISIONS		DETAILER	BV	DRAWINGS ISSUED DATE      USE		ALL DETAILS ARE 1/2 FULL SIZE UNLESS OTHERWISE NOTED  REFER TO SHEET ONE FOR DETAIL AND GENERAL NOTES	<div>NATURALITE</div> <div>SKYLIGHT SYSTEMS</div> <div>750 AIRPORT ROAD</div> <div>P.O. BOX 629</div> <div>TERRELL, TEXAS 75160</div> <div>1-972-551-6400</div> <div>A DIVISION OF BUTLER MANUFACTURING COMPANY</div>	PLOT FACTOR		JOB NAME BMS - 3000 HR LARGE MISSILE TESTING		JOB NUMBER
				5/29/97	1ST. SUBMISSION									PLOT NO.	LOCATION DADE COUNTY, FL.		EF-8373	
				8/7/97	ERECTION									MANUAL COMP.	CUSTOMER			
				8/25/97	RECORD									ERECTION	DATE	CONTRACTOR		DRAWING NO.
				2/1/99	TESTING									CHECKED	DATE	ARCH/ENGR		E2 OF 12
												TITLE PLAN, ELEVATION & SECTION						

PA 201 & 203-94 LARGE MISSILE IMPACT & CYCLIC TEST BUCK



ELEVATION OF SKYLIGHT UNIT #2  
SCALE 1/2" = 1'-0"  
TWO (2) REQD.



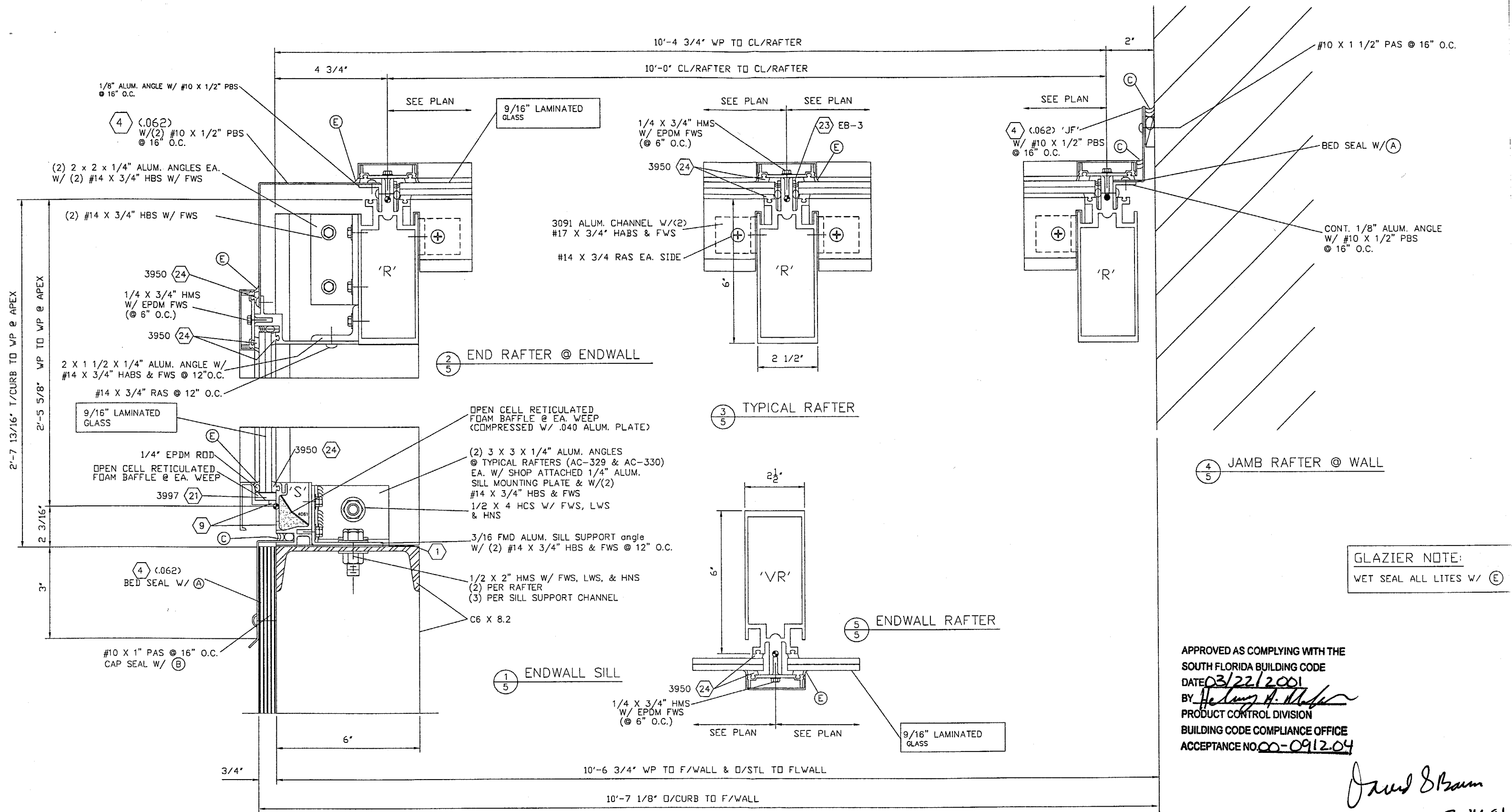
ELEVATION OF SKYLIGHT UNIT #3  
SCALE 1/2" = 1'-0"  
TWO (2) REQD.

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE 03/22/2001  
BY *Heather H. Hester*  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 00-0912-04

*David S. Baum*  
2-14-01

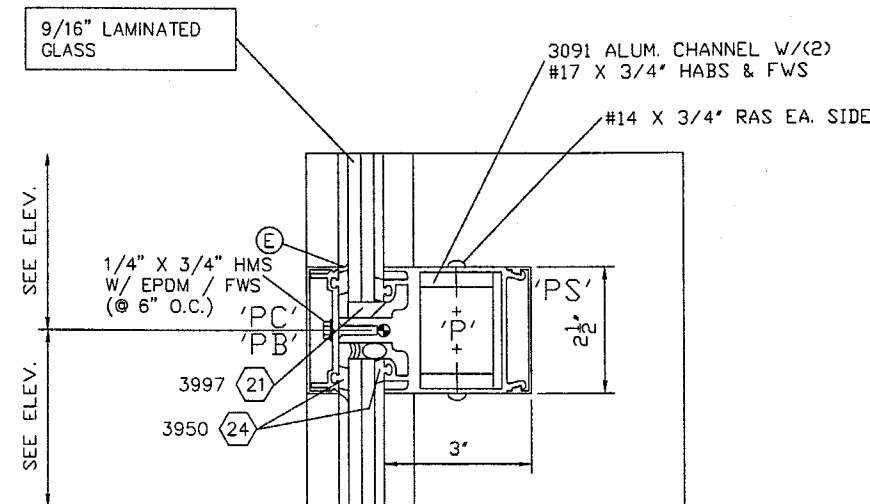
REVISIONS				REVISIONS				ALL DETAILS ARE 1/2 FULL SIZE UNLESS OTHERWISE NOTED	NATURALITE SKYLIGHT SYSTEMS 750 AIRPORT ROAD P.O. BOX 629 TERRELL, TEXAS 75160 1-972-551-6400 A DIVISION OF BUTLER MANUFACTURING COMPANY	PLOT FACTOR		JOB NAME BMS - 3000 HR LARGE MISSILE TESTING		JOB NUMBER
DATE	BY	DATE	USE	DATE	BY	DATE	USE			MANUAL COMP.	DATE	LOCATION DADE COUNTY, FL.	CUSTOMER	
5/29/97		8/7/97	IST. SUBMISSION					REFER TO SHEET ONE FOR DETAIL AND GENERAL NOTES		ERECTION	DATE	CONTRACTOR	ARCH/ENGR	E3 OF 12
8/25/97			RECORD							CHECKED	DATE			
2/1/99			TESTING											



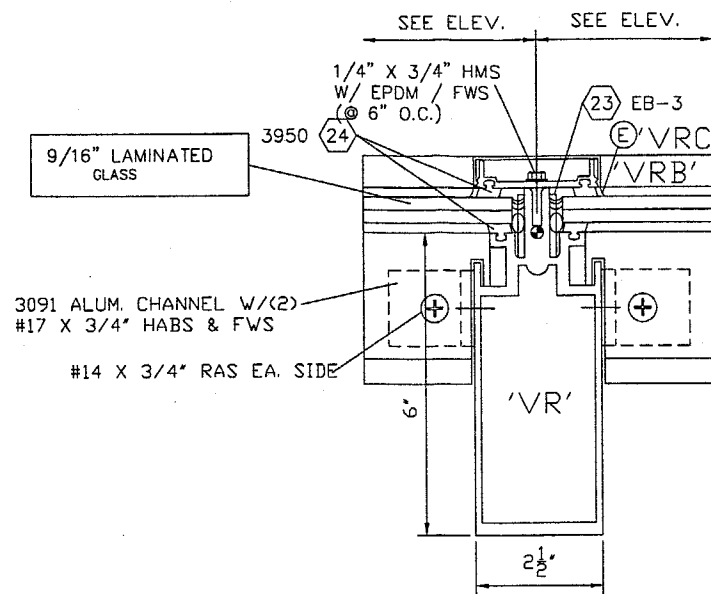


REVISIONS				REVISIONS				ALL DETAILS ARE 1/2 FULL SIZE UNLESS OTHERWISE NOTED	<b>NATURALITE/EPI</b> SKYLIGHT SYSTEMS 750 AIRPORT ROAD P.O. BOX 629 TERRELL, TEXAS 75160 1-214-551-6400 <small>A DIVISION OF BUTLER MANUFACTURING COMPANY</small>	PLOT FACTOR		JOB NAME BMS 3000 HR LARGE MISSILE TESTING		JOB NUMBER
DATE	DETAILER	BM	DRAWINGS ISSUED USE	DATE	DETAILER	BM	DRAWINGS ISSUED USE			PLOT NO.	MANUAL COMP.	LOCATION DADE COUNTY, FL.	CUSTOMER	
5/29/97			1ST. SUBMISSION					REFER TO SHEET ONE FOR DETAIL AND GENERAL NOTES		ERECTION	DATE	CONTRACTOR		DRAWING NO.
8/7/97			ERECTION							CHECKED	DATE	ARCH/ENGR		
2/1/99			TESTING									TITLE DETAILS		E5 OF 12

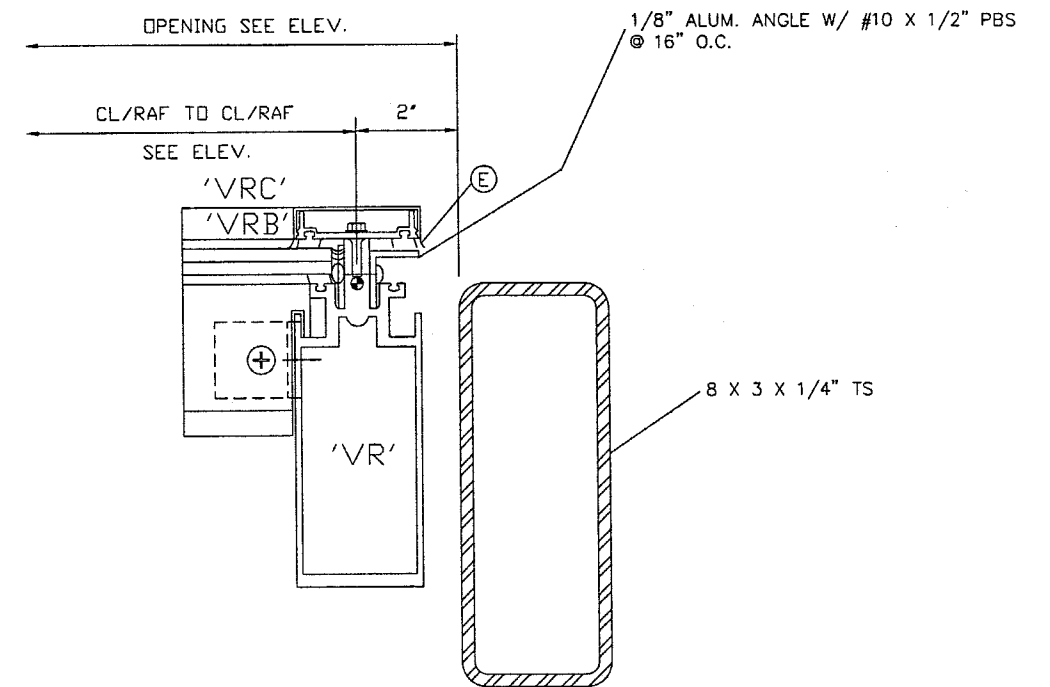




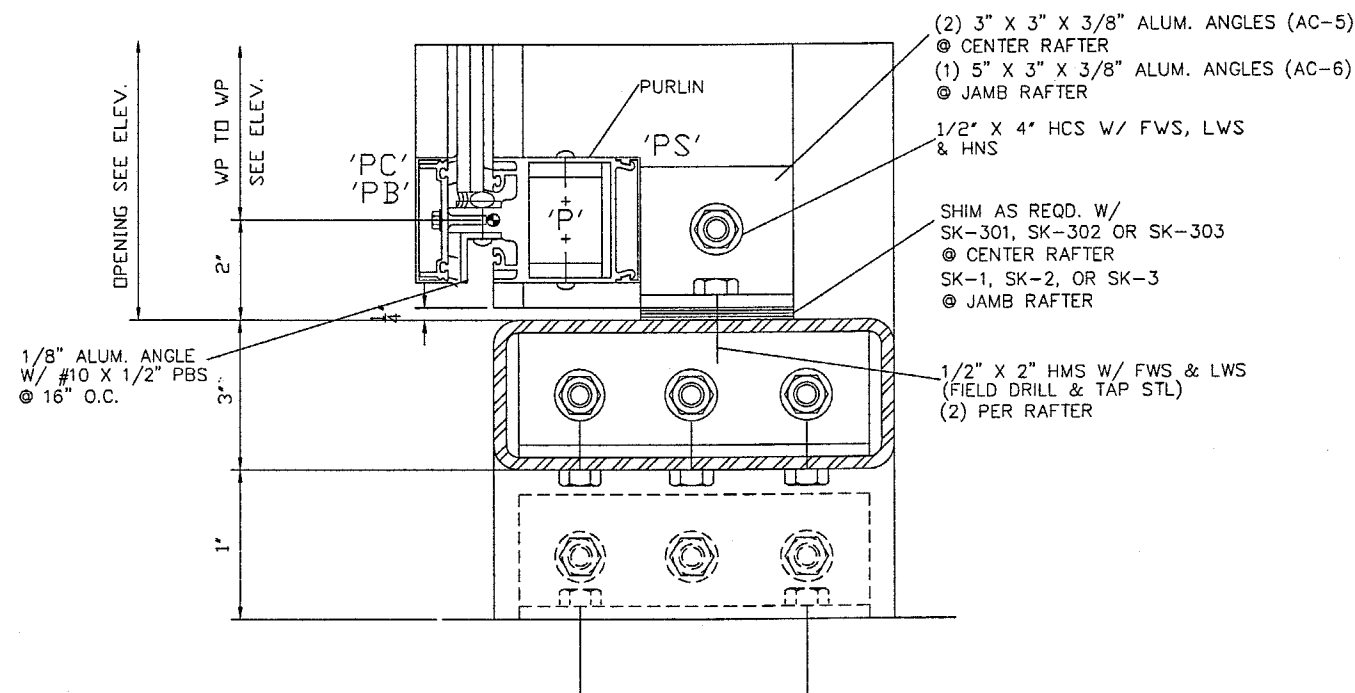
2 CENTER PURLIN



3 TYPICAL RAFTER



4 JAMB RAFTER



1 SILL / HEAD (OPP)

GLAZIER NOTE:  
WET SEAL ALL LITES W/ (E)

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE 03/22/2001  
BY *Heidi A. Miller*  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 00-0912.04

*David Stamm*  
2-6401

REVISIONS		DRAWINGS ISSUED	REVISIONS		DRAWINGS ISSUED	ALL DETAILS ARE 1/2 FULL SIZE UNLESS OTHERWISE NOTED	NATURALITE SKYLIGHT SYSTEMS 750 AIRPORT ROAD P.O. BOX 629 TERRELL, TEXAS 75160 1-972-551-6400 A DIVISION OF BUTLER MANUFACTURING COMPANY	PLOT FACTOR		JOB NAME BMS - 3000 HR LARGE MISSILE TESTING		JOB NUMBER
DATE	USE	DATE	USE	DATE	USE			PLOT NO.	LOCATION DADE COUNTY, FL.		EF-8373	
	5/29/97	1ST. SUBMISSION						MANUAL COMP.	CUSTOMER			
	8/7/97	ERECTION						ERECTOR	DATE	CONTRACTOR		DRAWING NO.
	8/25/97	RECORD						CHECKED	DATE	ARCH/ENGR		E6 of 12
	2/1/99	TESTING				TITLE DETAILS UNITS #2 & #3						
						REFER TO SHEET ONE FOR DETAIL AND GENERAL NOTES						

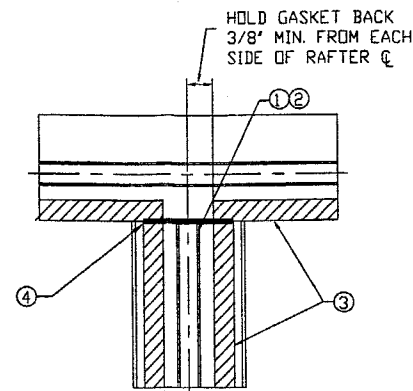
EF-8373

DRAWING NO.

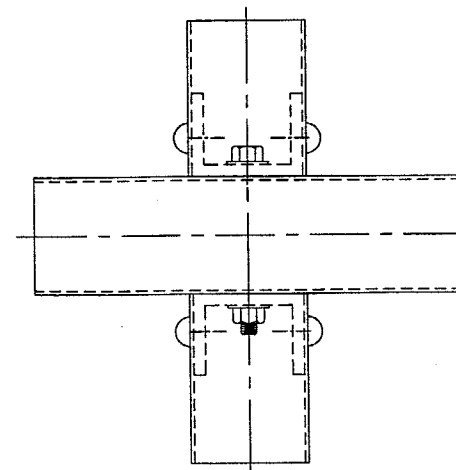
E6 OF 12

# ERECTION & GLAZING NOTES:

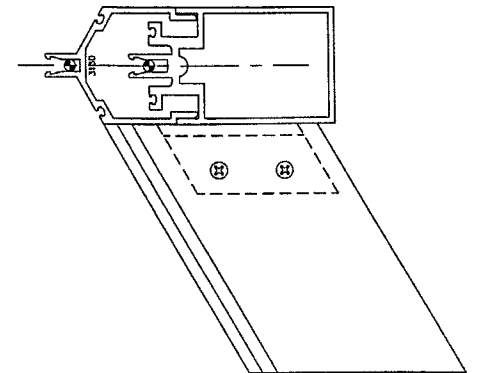
- 1.) SEAL ALL RAFTERS TO HIPS, RIDGES & COMP RINGS W/ (B) SEALANT
- 2.) ALL METAL TO METAL CONNECTIONS TO BE CLEANED W/ SOLVENT PRIMED & SEALED W/ (B) SEALANT
- 3.) GASKETS ON ALL FRAMING TO BE FIELD INSTALLED & COMPRESSED APPROX. 1/8" PER FOOT
- 4.) BUTT SEAL ALL GASKET INTERSECTIONS W/ (A) SEALANT



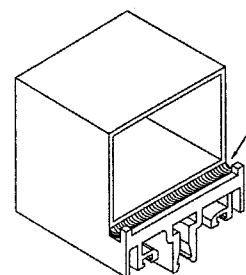
RAFTER TO RIDGE



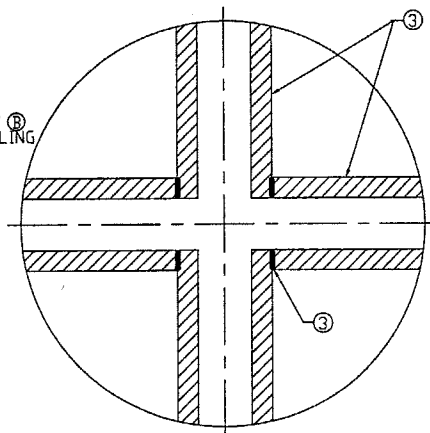
RAFTER/RIDGE INTERSECTION



SECT. OF RAFTER TO RIDGE



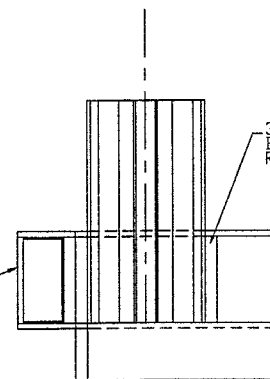
PURLIN END VIEW ISOMETRIC



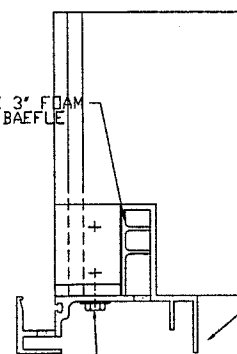
TYPICAL GASKET INTERSECTION

## ERECTOR NOTE:

CLEAN AND PRIME NOTCH AT END OF PURLINS PRIOR TO RUNNING A BEAD OF (B) SEALANT THROUGH NOTCH.



SILL TO RAFTER



2 #14 X 3/4" HBSE PER RAFTER

'DA-3000' CLEAN SILL & ANGLE W/ SOLVENT, TAPE ANGLE TO SILL W/ V2030 TAPE, PRIME AREAS TO BE SEALED (ALLOW PRIMER TO DRY) W/ DDW 795 LOCATE AT JAMBS & 3 1/2" EACH SIDE OF SILL SPLICE

1/8" X 1/2" GRIP (1/2" LONG) ST/STL POP RIVET @ 12" O.C. W/ (B) CAPSEAL

APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE 03/22/2001  
BY Hector A. Harker  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 00-0912-04

David S. Harker  
2-14-01

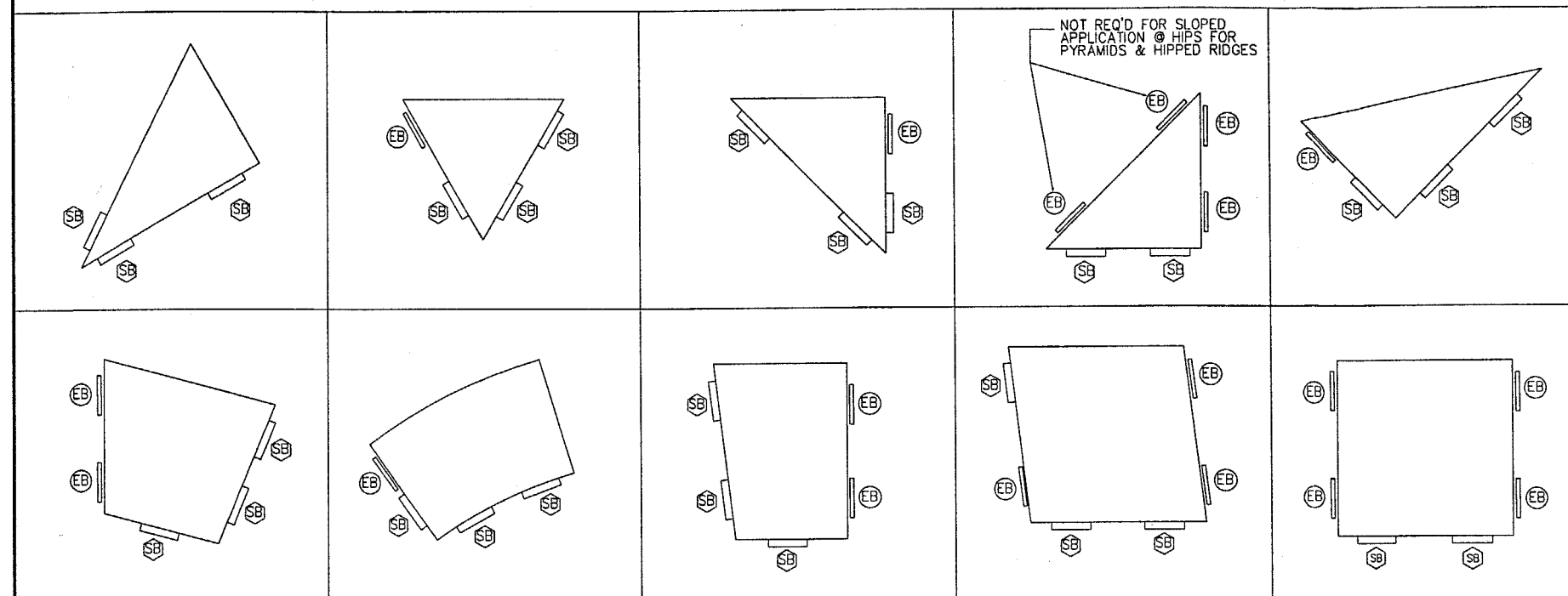
REVISIONS	DATE	USE	REVISIONS	DATE	USE	ALL DETAILS ARE FULL SIZE UNLESS OTHERWISE NOTED	NATURALITE SKYLIGHT SYSTEMS	PLOT FACTOR	JOB NAME	JOB NUMBER
	2/1/99	TESTING				REFER TO SHEET ONE FOR DETAIL AND GENERAL NOTES	803 AIRPORT ROAD P.O. BOX 629 TERRELL, TEXAS 75160 1-972-551-6460 A DIVISION OF BUTLER MANUFACTURING COMPANY	PLOT NO.	BMS - 3000 HR LARGE MISSILE TESTING	EF-8373
								MANUAL COMP.	CUSTOMER	
								ERECTION	CONTRACTOR	DRAWING NO.
								CHECKED	ARCH/ENGR	E7 OF 12
									TITLE	RIDGE FRAMING GUIDE

PROPER GLASS BLOCKING TECHNIQUES

PLEASE FOLLOW THE PROPER BLOCKING TECHNIQUES FOR SETTING & EDGE BLOCKS SHOWN HERE. ALL LITES ARE SHOWN IN TRUE ELEVATION. DO NOT BLOCK GLASS TIGHT, GLASS SHOULD BE FREE TO FLOAT IN THE OPENING, THESE BLOCKING TECHNIQUES DO NOT APPLY TO ENTRANCE DOORS, OPERABLE WINDOWS OR VENTS.

LEGEND

- SB = SETTING BLOCK  
SHORE 'A' DUROMETER OF 85 ± 5
- EB = EDGE BLOCK  
SHORE 'A' DUROMETER OF 50 ± 5

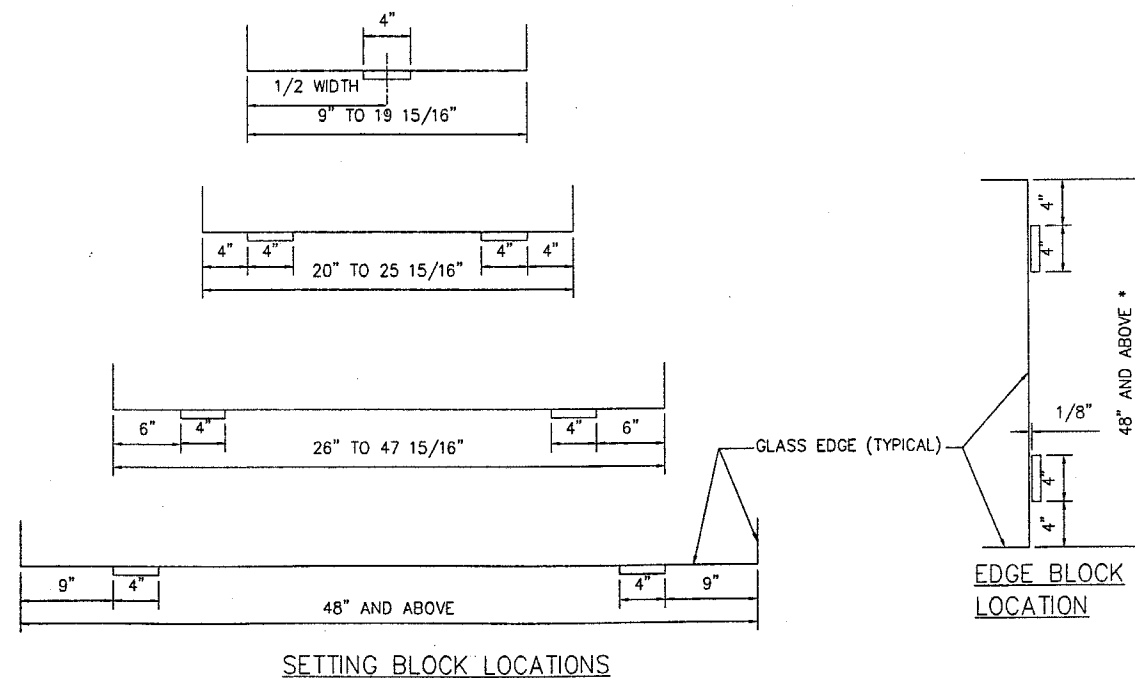


SETTING BLOCK NOTES:

1. NO BLOCKS SHALL BE LESS THAN 4" IN LENGTH
2. SETTING BLOCKS SHALL BE POSITIONED WITH BEVELED EDGE DOWN REFER TO APPLICABLE DETAIL
3. FOR ALL GLASS TYPES REGARDLESS OF APPLICATION, THE SETTING BLOCK MUST SUPPORT A MIN. OF ONE HALF THE THICKNESS OF THE OUTBOARD LITE

ERECTOR NOTE:

DO NOT WALK ON GLASS. GLASS IS NOT DESIGNED TO SUPPORT CONCENTRATED LOADS



APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE 03/22/2001  
BY *Heather H. Miller*  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 00-0912.04

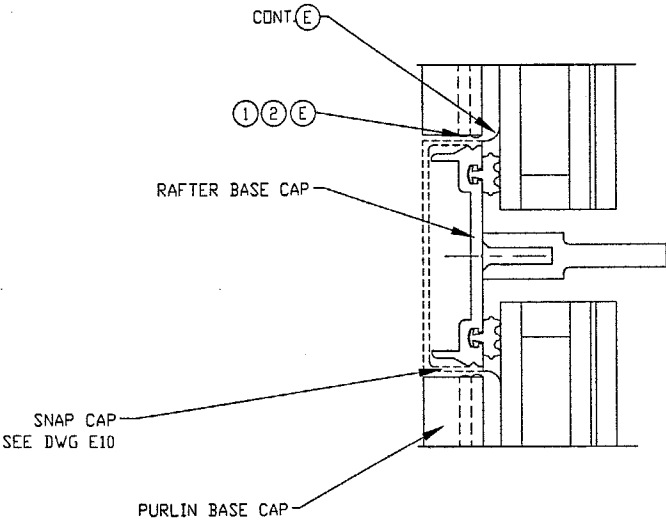
*David Stamm*  
2-1401

REVISIONS		DETAILER	B	V	DRAWINGS ISSUED		REVISIONS		DETAILER	B	V	DRAWINGS ISSUED		ALL DETAILS ARE FULL SIZE UNLESS OTHERWISE NOTED	<div>NATURALITE SKYLIGHT SYSTEMS</div> <div>803 AIRPORT ROAD P.O. BOX 629 TERRELL, TEXAS 75160 1-972-551-6460</div> <div>A DIVISION OF BUTLER MANUFACTURING COMPANY</div>	PLOT FACTOR		JOB NAME. BMS - 3000 HR LARGE MISSILE TESTING		JOB NUMBER	
																PLOT NO.	LOCATION. DADE COUNTY, FL.		EF-8373		
					2/1/99 TESTING											MANUAL COMP.	CUSTOMER.		DRAWING NO.		
																ERECTION	DATE	CONTRACTOR.		E8 of 12	
																CHECKED	DATE	ARCH/ENGR.			
																TITLE GLASS BLOCKING & SEALANT EXPIRATION GUIDE					

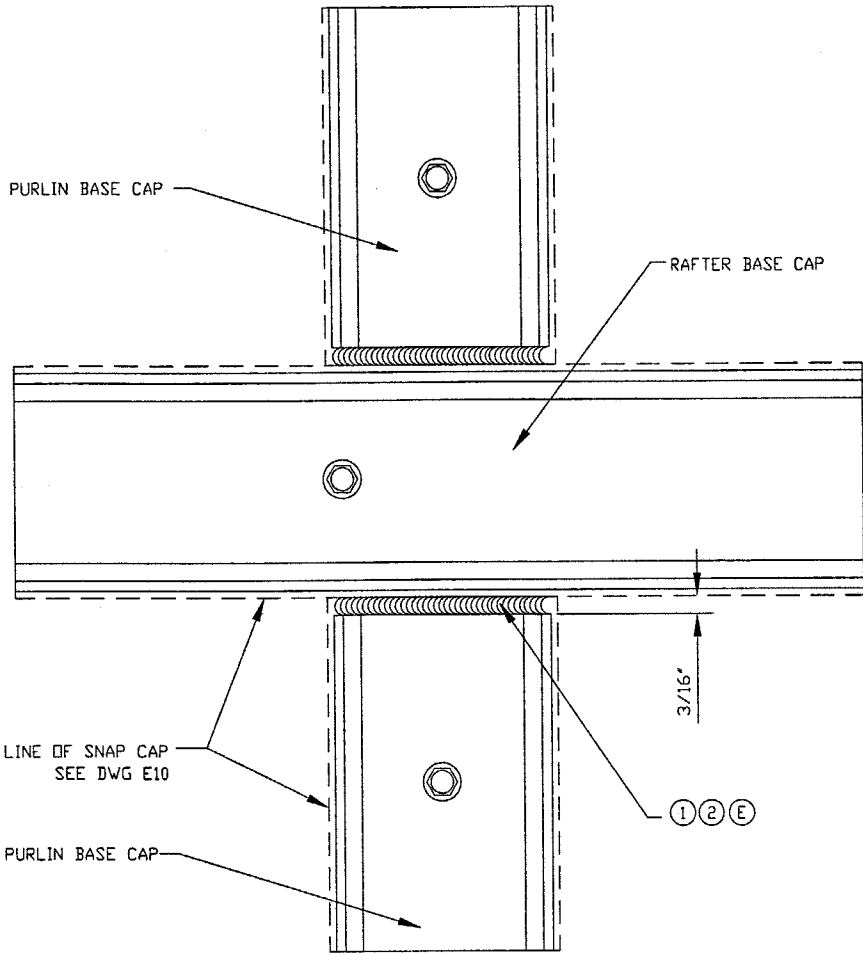
GLAZING PROCEDURES

ALWAYS CLEAN CAP ENDS W/SOLVENT &  
PRIME W/ PRIMER BEFORE BEFORE INSTALLING

- 1 CLEAN, PRIME, & INSTALL CAPS, PLACE A BEAD OF E SEALANT BETWEEN CAPS AS SHOWN.
- 2 INSTALL SNAP CAPS @ THRU CAPS, PLACE A BEAD OF SEALANT BETWEEN SNAP CAP & THRU CAP & BASE CAP OF INTERSECTING CAP
- 3 AFTER INSTALLING BASE & SNAP CAPS @ THRU CAPS, CENTER REMAINING BASE CAPS IN OPENINGS



SECTION THRU  
RAFTER BASE CAP /SNAP-ON

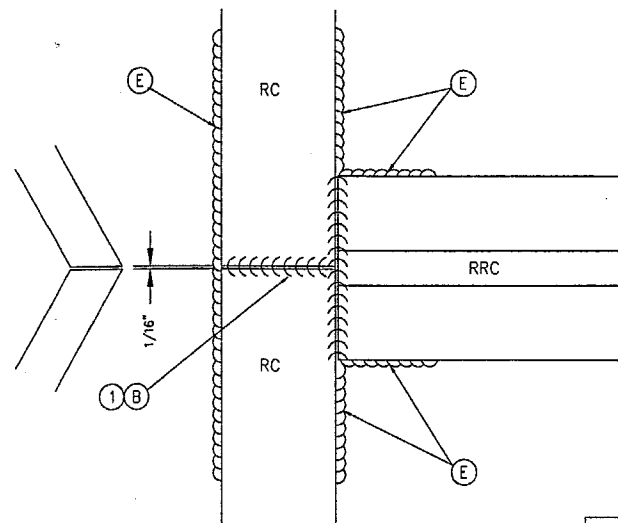


DETAIL 1  
TYPICAL BASE CAP INTERSECTION

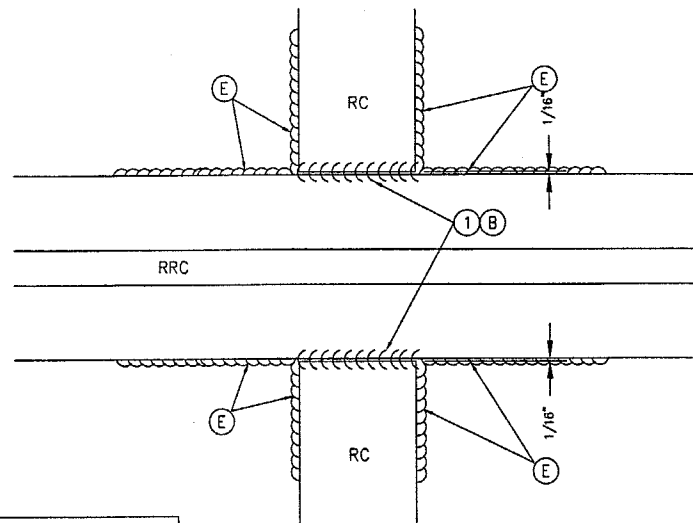
APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE 03/22/2001  
BY *Heather H. Hester*  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 00-0912-04

*David S. Hester*  
2-14-01

REVISIONS		DETAILER	B	V	DRAWINGS ISSUED		REVISIONS		DETAILER	B	V	DRAWINGS ISSUED		ALL DETAILS ARE FULL SIZE UNLESS OTHERWISE NOTED  REFER TO SHEET ONE FOR DETAIL AND GENERAL NOTES	<div><b>NATURALITE</b> SKYLIGHT SYSTEMS  803 AIRPORT ROAD P.O. BOX 629 TERRELL, TEXAS 75160 1-972-551-6460  A DIVISION OF BUTLER MANUFACTURING COMPANY</div>	PLOT FACTOR		JOB NAME	BMS - 3000 HR LARGE MISSILE TESTING		JOB NUMBER	
					DATE		USE					DATE				PLOT NO.		LOCATION	DADE COUNTY, FL.		EF-8373	
					2/1/99		TESTING									MANUAL COMP.		CUSTOMER				
																ERECTION		DATE	CONTRACTOR		DRAWING NO.	
																CHECKED		DATE	ARCH/ENGR		E9 of 12	
																	TITLE		RIDGE FRAMING GUIDE			

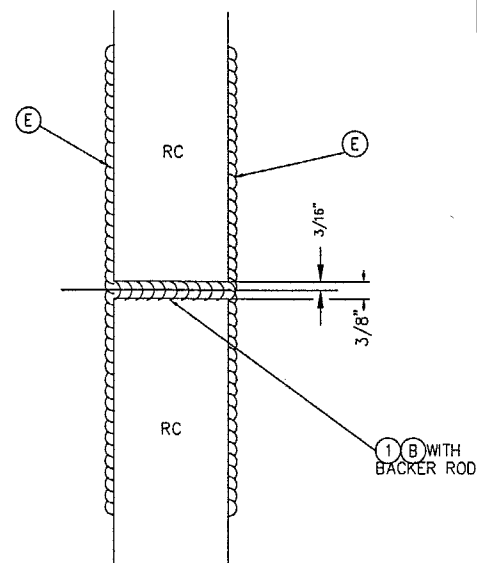


END RAFTER AND RIDGE  
CAP DETAIL

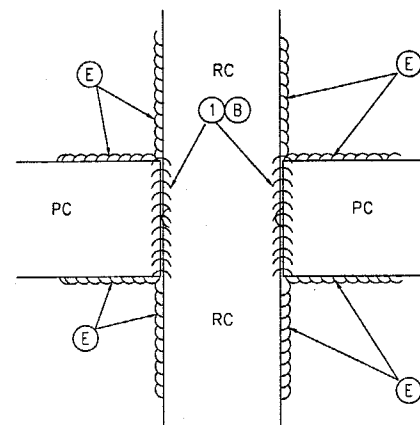


RAFTER AND RIDGE CAP  
DETAIL

GLAZIER NOTE:  
PLACE A HEEL BEAD OF  
(E) SEALANT FROM GLASS  
TO CAP 4" LONG EACH  
DIRECTION, AS SHOWN.



RAFTER CAPS AT  
EXPANSION JOINT

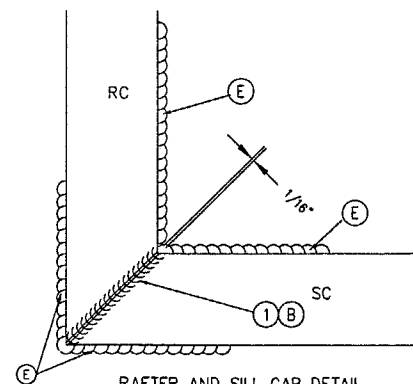


RAFTER AND PURLIN CAP DETAIL

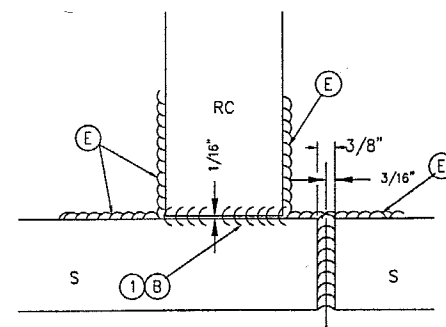
GLAZIER NOTE:

APPLYING TAPE OVER THE  
CAPS BEFORE CAULKING  
MAY MAKE A NEATER  
BRIDGE CAULK JOINT.

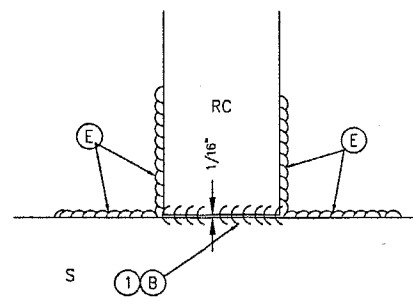
APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATE 03/22/2001  
BY Heather H. Miller  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO. 00-0912.04



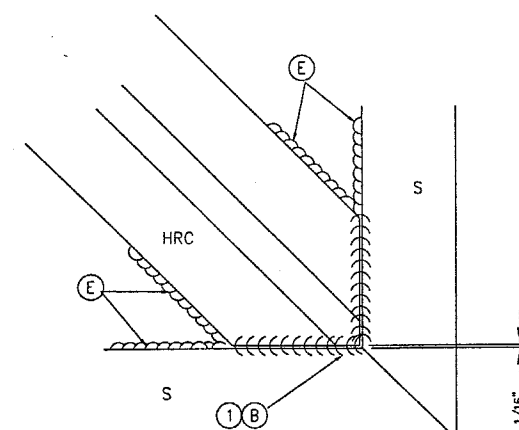
RAFTER AND SILL CAP DETAIL  
AT CORNER



RAFTER CAP AT SILL SPLICE



RAFTER CAP AND SILL DETAIL



HIP RAFTER CAP AND SILL DETAIL  
AT CORNER

GLAZING PROCEDURES:

- ALWAYS CLEAN CAP ENDS WITH SOLVENT AND  
PRIME WITH PRIMER BEFORE INSTALLING
- 1 CLEAN, PRIME AND INSTALL CAPS AND PLACE A  
BEAD OF (E) SEALANT BETWEEN CAPS AS SHOWN.
  - 2 SEE STRUCTURAL GLAZING GUIDE FOR  
INSTRUCTIONS BEFORE APPLYING (E) SEALANT  
TO JOINT.

David Shum  
2-14-01

REVISIONS				REVISIONS				DRAWINGS ISSUED				ALL DETAILS ARE FULL SIZE UNLESS OTHERWISE NOTED	NATURALITE SKYLIGHT SYSTEMS 803 AIRPORT ROAD P.O. BOX 629 TERRELL, TEXAS 75160 1-972-551-6460 A DIVISION OF BUTLER MANUFACTURING COMPANY	PLOT FACTOR		JOB NAME		JOB NUMBER
ERECTION GUIDE	DATE	USE	TESTING	DATE	USE	TESTING		DATE	USE	TESTING				DATE	LOCATION	BMS - 3000 HR LARGE MISSILE TESTING	DADE COUNTY, FL.	
												REFER TO SHEET ONE FOR DETAIL AND GENERAL NOTES		MANUAL COMP.		CUSTOMER		EF-8373
														ERECTION	DATE	CONTRACTOR		DRAWING NO.
														CHECKED	DATE	ARCH/ENGR		E10 of 12
																TITLE	HIP/ RIDGE GLAZING GUIDE	

## GLAZING

Diagram G-3: A right triangle with a horizontal base of  $37 \frac{29}{32}"$  and a vertical height of  $10 \frac{5}{32}"$ .

Diagram G-4: A right triangle with a horizontal base of  $37 \frac{29}{32}"$  and a vertical height of  $10 \frac{5}{32}"$ .

Diagram G-5: A trapezoid with a horizontal base of  $47 \frac{27}{32}"$ , a vertical height of  $10 \frac{7}{16}"$ , and a slanted top edge.

Diagram G-6: A trapezoid with a horizontal base of  $47 \frac{27}{32}"$ , a vertical height of  $10 \frac{7}{16}"$ , and a slanted top edge.

GLAZING	GASKETS & BLOCKS
---------	------------------

3971      3980      3981

3960      3961      3970

3950      3951      3952

**GASKETS**

SIZE	LENGTH	HEAD	TYPE	MATERIAL
#8		FLAT	A POINT SMS	ALUMINUM
#10		PAN	B POINT TAPPING	CAD PLATED
#14		HEX	AB POINT	STEEL
#17		TRUSS	CAP SCREW (PARTIAL THREAD)	STAINLESS STEEL
3/8"		ROUND	MACHINE SCREW (FULL THREAD)	GRADE 5
1/2"		SOCKET	LAG BOLT	GRADE 2
11/32"		TORX	TEKS SCREW	ZINC PLATED STEEL
			FLAT WASHER	
			LOCK WASHER	
			HEX NUT	
			RIVNUT	
			LOCK NUT	

EXAMPLE #10 x 3/4" PAS = PAN HEAD, A POINT, SHEET METAL SCREW, STAINLESS STEEL.

NOTE: ALL HEX HEAD GLAZING CAP FASTENERS TO HAVE STAINLESS STEEL/EPDM FLAT WASHERS. ALL EXPOSED FASTENERS TO BE COLORED TO MATCH.

SA SLEEVE ANCHOR ( w/ FWS, LWS,  
& HNC )  
HVA HILTI ADHESIVE ANCHOR  
( w/ FWS, LWS, & HNO )  
SB STUD BOLT ( w/ FWS, LWS, & HNC )  
HIT HILTI RENOVATION ANCHOR  
( w/ FWS, LWS, & HNC )  
HKC HILTI KWIK CON II  
HKB HILTI KWIK BOLT II

(A) DOW CORNING 795 OR EQUAL  
 (B) DOW CORNING 795 OR EQUAL  
 COLOR:  
 (C) SEALANT (B) W/ BACKER ROD  
 (D) TREMCO 440 BLACK BUTYL TAPE  
 3/16" X 1/2" WIDE  
 (E) DOW CORNING 795 OR EQUAL  
 (BLACK)  
 (F)  
 (P) DOW #1200 PRIMER OR EQUAL

[illegible]

## SEALANTS &amp; MISCELLANEOUS SUPPLIES

3997                      3998                      3999

GLAZING BLOCKS

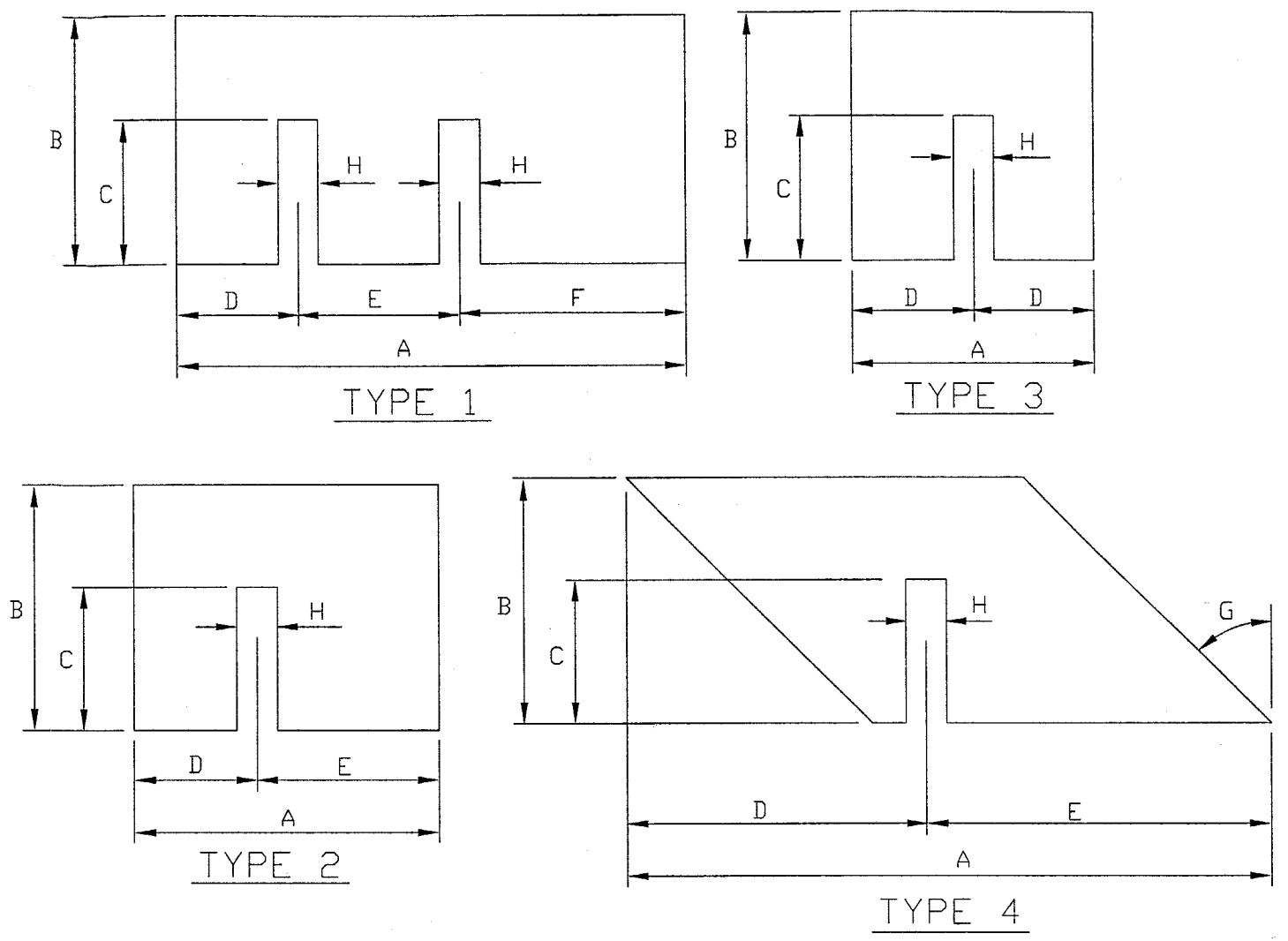
James Strain  
2-14-01

**NATURALITE/EPI**  
SKYLIGHT SYSTEMS

750 AIRPORT ROAD  
P.O. BOX 629  
TERRELL, TEXAS 75160  
1-972-551-6400

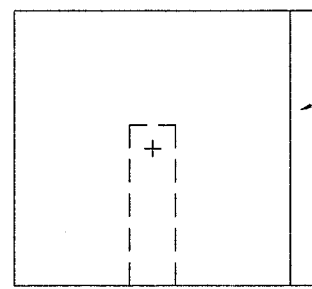
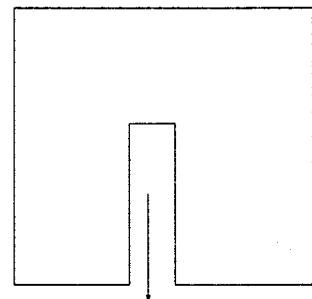
A DIVISION OF BUTLER MANUFACTURING COMPANY

TYPE	MK. NO.	QUAN.	THK.	D I M E N S I O N S								REMARKS
				A	B	C	D	E	F	G	H	
2	SK- 301	35	1/4"	3"	3"	1 3/4"	1 1/4"	1 3/4"			9/16"	USE @ AC-301 ALL UNITS & AC-321/ AC-322 UNIT #1
	SK- 302	35	1/8"									
	SK- 303	70	1/16"									
1	SK- 1	25	1/4"	5"	3"	1 3/4"	1"	2 1/2"	1 1/2"		9/16"	USE @ JAMB RAFTER CLIPS AC-312 ALL UNITS
	SK- 2	25	1/8"									
	SK- 3	50	1/16"									
3	SK- 4	15	1/4"	2"	4 1/2"	3 1/2"	1"				9/16"	USE @ ENDWALL SILL UNITS #1
	SK- 5	15	1/8"									
	SK- 6	30	1/16"									
	SK-		1/4"									
	SK-		1/8"									
	SK-		1/16"									
	SK-		1/4"									
	SK-		1/8"									
	SK-		1/16"									
	SK-		1/4"									
	SK-		1/8"									
	SK-		1/16"									
	SK-		1/4"									
	SK-		1/8"									
	SK-		1/16"									
	SK-		1/4"									
	SK-		1/8"									
	SK-		1/16"									
	SK-		1/4"									
	SK-		1/8"									
	SK-		1/16"									



ERECTOR NOTE:  
MINIMUM REQUIRED PROFILE  
FOR KOROLATH SHIMS  
(ALUM. OR STEEL CAN BE USED  
IF PROPERLY ISOLATED)

ERECTOR NOTE:  
SHIM SHOULD BE POSITIONED  
AS SHOWN TO GIVE FULL  
SUPPORT TO CLIP



APPROVED AS COMPLYING WITH THE  
SOUTH FLORIDA BUILDING CODE  
DATED 3/22/2001  
BY *Heating A. H. H.*  
PRODUCT CONTROL DIVISION  
BUILDING CODE COMPLIANCE OFFICE  
ACCEPTANCE NO 00-0912-04

*James S. Baum*  
2-1401

REVISIONS				DETAILER	BV	DRAWINGS ISSUED		REVISIONS		DETAILER	BV	DRAWINGS ISSUED		ALL DETAILS ARE FULL SIZE UNLESS OTHERWISE NOTED	<div>NATURALITE SKYLIGHT SYSTEMS</div> <div>803 AIRPORT ROAD P.O. BOX 629 TERRELL, TEXAS 75160 1-972-551-6460</div> <div>A DIVISION OF BUTLER MANUFACTURING COMPANY</div>	PLOT FACTOR		JOB NAME BMS - 3000 HR LARGE MISSILE TESTING		JOB NUMBER	
						DATE	USE					DATE	USE			PLOT NO.	LOCATION DADE COUNTY, FL.		EF-8373		
						2/1/99	TESTING									MANUAL COMP.	CUSTOMER				
																ERECTION	DATE	CONTRACTOR		DRAWING NO.	
																CHECKED	DATE	ARCH/ENGR		E12 OF 12	
																		TITLE			
REFER TO SHEET ONE FOR DETAIL AND GENERAL NOTES																					